Alexey Prudnikov

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Personal Information

Date of Birth	16.02.1984 (age 35)
Location	Moscow, Russia

Education

2013–2016	**Graduate**, *Kutafin Moscow State Law University (MSAL)* **Bachelor of Laws**
2007–2010	**Postgraduate**, *National Research Nuclear University «MEPhI»* **«Applied Mathematics and Computer Science»**
2001–2007	**Graduate**, *Moscow Engineering Physics Institute (MEPhI)* **Degree in «Applied Mathematics and Computer Science»**

Work Experience

10.2015– present

Senior Software Developer, Team Lead, *«General Radio Frequency Centre», Federal State Unitary Enterprise*, Moscow, Russia
Telecommunications
Responsibilities:
- Head of the development of the web portal for digital documents management; integration with internal enterprise IT-systems; integration with service for digital invoice exchange (Java Core; Java EE: EJB, JMS, JPA, CDI, Servlet, JAX-WS; HTML/CSS/JS; Oracle DBMS).
- Head of the development of the digital signature validation service; integration with internal enterprise IT-systems and Ministry of Telecom and Mass Communications of the Russian Federation services (Java Core; Java EE: EJB, JMS, Servlet; HTML/CSS/JS).
- Design and develop internal enterprise system for digital documents management, frequency requests processing, integration with third-party software for calculation of electromagnetic compatibility (Java Core: Swing; Groovy; Java EE: EJB, JMS, JPA, CDI; Oracle DBMS).
- Continuous Integration management (Git/Gitolite, Jenkins, Gradle).

10.2014– 10.2015

Senior Software Developer, *«General Radio Frequency Centre», Federal State Unitary Enterprise*, Moscow, Russia
Telecommunications
Responsibilities:
- Design and develop web portal for digital documents management; integration with internal enterprise IT-systems (Java Core; Java EE: EJB, JMS, JPA, CDI, Servlet, JAX-WS; HTML/CSS/JS; DBMS Oracle).
- Design and develop digital signature validation service; integration with internal enterprise IT-systems (Java Core; Java EE: EJB, JMS, Servlet, JAX-WS; HTML/CSS/JS).

09.2008– 10.2014

Senior Software Developer, Team Lead, *«Open Information Technologies», LLC*, Moscow, Russia
Information technologies: software development and integration
Responsibilities:
- Design and develop «Social Insurance» information system, which is used by Fund of Social Insurance (FSI) — big government structure of Russian Federation, as system architect and deputy project manager (Delphi; Java Core; DBMS HyTech; Sphinx Search).
- Design, develop and optimize for highload FSI web portal as system architect of full-text search and lead OLAP-developer (PHP; HTML/CSS/JS; Java Core; DBMS HyTech; Sphinx Search).
- Design, develop and optimize for highload FSI web-service to process digital signed financial statements as system architect (PHP; HTML/CSS/JS; DBMS HyTech).
- Design and develop framework, which is used for interaction between common ERP systems and converter of financial reports from Russian national standards to IFRS and GAAP, as lead developer (C; Delphi).

- Design and develop electronic payment processing system as system architect (PHP; HTML/CSS/JS; C; DBMS MySQL/PostgreSQL/HyTech).
- Design and develop software to process information about copyright and related rights in intellectual property as system architect (PHP; HTML/CSS/JS; DBMS HyTech and MongoDB).
- Continuous integration management (Jenkins).

09.2007–07.2013 **Research/Teaching Associate**, *National Research Nuclear University «MEPhI», «Information Systems and Technologies» department*, Moscow, Russia

Science and education

Responsibilities:
- Teaching experience:
  - «Algorithms and Data Structures» (lections and labs);
  - «Programming Languages and Compilators» (lections and labs);
  - «Optimization Methods» (lections and labs);
  - «Numerical Computing» (labs);
  - «Game Theory and Operation Research» (lections).
- Supervise course work and assignments of undergraduate students.
- Participate in department's research work.
- Create and deliver tutorial and lab session material for undergraduate students.

10.2005–09.2008 **Junior, Middle Software Developer**, *«New information systems and technologies», JSC*, Moscow, Russia

Information technologies: software development and integration

Responsibilities:
- Design and develop «Social Insurance» information system, which is used by Fund of Social Insurance (FSI) — big government structure of Russian Federation, as lead developer (Delphi; DBMS HyTech).
- Design and develop FSI web portal as lead OLAP-developer and software architect of application for delivery financial statements from insurants to FSI (PHP; HTML/CSS/JS; СУБД HyTech).

Professional Skills

Tools actively used in last year marked **bold**; actively used over a year ago presented with regular font; studied but not used actively marked *italic*.

OS	**Linux (RedHat-based)**, **Windows**, *FreeBSD*
Languages	**Java**, **SQL**, Groovy, JavaScript, PHP, C, Delphi, *Python*
DBMS	**PostgreSQL**, Oracle, MySQL, MongoDB, HyTech, *DB2*
FTS	**ElasticSearch**, Sphinx
Messaging	**Kafka**
Servers	**Tomcat**, **Nginx**, Weblogic, Apache HTTP Server
VCS	**Git**, Subversion
Build	**Gradle**, **Maven**
CI	**Jenkins**, **Docker**, **Artifactory**, **Zabbix**, Nexus OSS
Project Management	**Jira**, **Confluence**, **Gitlab**, Redmine, MediaWiki
Numerical Computing	Octave, Scilab
Markup	**LaTeX**, **HTML**, **CSS**

Personal Skills

- Full cycle software development experience — business analysis, design, development, deploy and user training.
- Systematic approach for software design and development.
- Thoroughness with documents, records and acts.
- Business relations and negotiations with customers (including government).
- Preparation of reports, speeches and presentations to an audience, participation in conferences and seminars as a speaker.
- Excellent oral and written Russian language.

- ○ Continuous professional development, lifelong learn.
- ○ Organized, punctual, non-conflict nature.

━━━ Certifications

2016	**Red Hat EX300**, *«RHCE — Red Hat Certified Engineer (RHEL7)»*
2016	**Oracle 1Z0-804**, *«OCPJP — Oracle Certified Professional Java SE 7 Programmer»*
2014	**Oracle 1Z0-803**, *«OCAJP — Oracle Certified Associate Java SE 7 Programmer»*
2014	**Red Hat EX300**, *«RHCE — Red Hat Certified Engineer (RHEL6)»*
2013	**Red Hat EX200**, *«RHCSA — Red Hat Certified System Administrator (RHEL6)»*
2012	**IBM 000-730**, *«IBM Certified Database Associate — DB2 9 Fundamentals»*
2012	**IBM 000-302**, *«IBM Certified Academic Associate — DB2 9 Database and Application Fundamentals»*

━━━ Trainings

2017	*«**MongoDB Performance**», MongoDB University, MOOC*
2015-2016	*«**Bioinformatics**», University of California, San Diego, MOOC*
2016	*«**Machine Learning**», Stanford University, MOOC*
2016	*«**Hadoop. Big data processing system**», Mail.Ru Group, MOOC*
2015	*«**Android applications development**», E-Legion & Google, MOOC*
2015	*«**Intellectual property management**», National University of Science and Technology MISIS, MOOC*
2014-present	*«**Data Science**», Johns Hopkins University, MOOC*
2014-present	*«**Cybersecurity**», University of Maryland, MOOC*
2014	*«**MongoDB for Java Developers**», MongoDB University, MOOC*
2014	*«**Web Application Architectures**», University of New Mexico, MOOC*
2013	*«**Functional Programming Principles in Scala**», École Polytechnique Fédérale de Lausanne, MOOC*
2013	*«**Discrete Optimization**», University of Melbourne, MOOC*
2013	RH254 *«**Red Hat System Administration III**», Red Hat Certified Training Partner «Inventa»*
2013	*«**Hardware/Software Interface**», University of Washington, MOOC*
2013	*«**Pattern-Oriented Software Architectures for Concurrent and Networked Software**», Vanderbilt University, MOOC*
2013	*«**Linear and Discrete Optimization**», École Polytechnique Fédérale de Lausanne, MOOC*
2013	RH134 *«**Red Hat System Administration II**», Red Hat Certified Training Partner «Inventa»*
2013	RH124 *«**Red Hat System Administration I**», Red Hat Certified Training Partner «Inventa»*
2013	*«**Game Theory**», Stanford University & University of British Columbia, MOOC*
2013	*«**Algorithms: Design and Analysis, Part II**», Stanford University, MOOC*
2012	*«**Quantum Mechanics and Quantum Computation**», University of California, Berkeley, MOOC*
2012	*«**Automata**», Stanford University, MOOC*
2012	*«**Algorithms: Design and Analysis, Part I**», Stanford University, MOOC*
2010	*«**Open Information Systems Security**», NRNU MEPhI*

━━━ Languages

Russian	Native speaker
English	Reading technical and mathematical papers and books — free, writing — Intermediate, speaking — Pre-Intermediate

━━━ Publications and Presentations

K. Kudryavtcev and A. Prudnikov. *Optimization Methods*. NRNU MEPhI, M., 2015.

S. Kovalevsky and A. Prudnikov. Game theory approach to the protection of payment card fraud on the internet. In *Technical Science: theory and practice. Proceedings of international science conference. Russia, Moscow, 26-28 of June 2014*, pages 44–47, 2014.

A. Prudnikov. Approaches to the protection of payment card fraud on the internet. In *Science session NRNU MEPhI-2013. Abstracts in three volumes*, volume 2, page 221, M., 2013. NRNU MEPhI.

Yu. Grankin, D. Kovalev, and A. Prudnikov. Framework «sunflower» for rapid java ee-applications development. In *Science session NRNU MEPhI-2012. Abstracts in three volumes*, volume 2, page 241, M., 2012. NRNU MEPhI.

A. Prudnikov. Full-text search integration to the hytech dbms. In *Science session NRNU MEPhI-2010. XIII conference «Young people and science»: abstracts in three volumes*, volume 2, pages 161–162, M., 2010. NRNU MEPhI.

A. Prudnikov and M. Markovskiy. Steganalysis methods of digital images. In *Science session NRNU MEPhI-2009: proceedings in six volumes*, volume V, pages 67–70, M., 2009. NRNU MEPhI.

A. Prudnikov. Analysis for the presence of hiding information in databases. In *Information systems and technologies 2009. II scientific and technical conference of students, postgraduates and young professionals: abstracts*, pages 162–163, Obninsk, 2009. IATE.

A. Prudnikov. Problems and practice in digital steganography. In *Science session MEPhI-2008. XI conference «Young people and science»: abstracts in two volumes*, volume 1, pages 72–73, M., 2008. MEPhI.

A. Prudnikov. Methods of text steganography. In *Science session MEPhI-2008. XI conference «Young people and science»: abstracts in two volumes*, volume 1, pages 74–75, M., 2008. MEPhI.

A. Prudnikov. Automation of interaction of insurants and fund of social insurance of the russian federation regarding delivery of the accounting reports. In *Science session MEPhI-2007. Abstracts in seventeen volumes*, volume 16. Conference «Young people and science», pages 105–106, M., 2007. MEPhI.